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022704  
01919 U.S.  
TO

**UTILITY**  
**PATENT APPLICATION**  
**TRANSMITTAL**

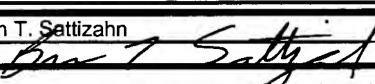
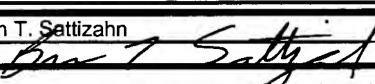
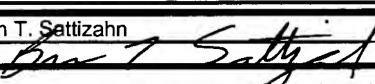
Attorney Docket No. 20712-0061

First Inventor WILLS et al.

Title SYSTEM AND METHOD FOR  
INCREASING OUTPUT HORSEPOWER  
AND EFFICIENCY IN A MOTOR

Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. ER 635944483 US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.		<b>ADDRESS TO:</b> Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450																			
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 15] (preferred arrangement set forth below)           <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 3]</p> <p>5. Oath or Declaration [Total Sheets 1]           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)</li> </ul> </p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <i>Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i></p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:               <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p>																					
<p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. <input checked="" type="checkbox"/> Other: Certificate of Express Mailing</p>																					
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:</p> <p><input type="checkbox"/> Continuation      <input type="checkbox"/> Divisional      <input type="checkbox"/> Continuation-in-part (CIP)      of prior application No.: .....</p> <p>Prior application information: Examiner _____ Art Unit: _____</p> <p>For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>																					
<p><b>19. CORRESPONDENCE ADDRESS</b></p> <table border="1"> <tr> <td><input checked="" type="checkbox"/> Customer Number: 26587</td> <td>OR</td> <td><input type="checkbox"/> Correspondence address below</td> </tr> <tr> <td>Name _____</td> <td colspan="2"></td> </tr> <tr> <td>Address _____</td> <td colspan="2"></td> </tr> <tr> <td>City _____</td> <td>State _____</td> <td>Zip Code _____</td> </tr> <tr> <td>Country _____</td> <td>Telephone _____</td> <td>Fax _____</td> </tr> <tr> <td>Name (Print/Type) Brian T. Sattizahn</td> <td>Registration No. (Attorney Agent) 46,401</td> </tr> <tr> <td>Signature </td> <td>Date February 27, 2004</td> </tr> </table>			<input checked="" type="checkbox"/> Customer Number: 26587	OR	<input type="checkbox"/> Correspondence address below	Name _____			Address _____			City _____	State _____	Zip Code _____	Country _____	Telephone _____	Fax _____	Name (Print/Type) Brian T. Sattizahn	Registration No. (Attorney Agent) 46,401	Signature 	Date February 27, 2004
<input checked="" type="checkbox"/> Customer Number: 26587	OR	<input type="checkbox"/> Correspondence address below																			
Name _____																					
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Signature 	Date February 27, 2004																				

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This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 864)

## Complete if Known

Application Number	
Filing Date	February 27, 2004
First Named Inventor	WILLS et al.
Examiner Name	n/a
Group / Art Unit	n/a
Attorney Docket No.	20712-0061

## METHOD OF PAYMENT (check all that apply)

 Check    Credit card    Money    Other    None  
 Order
  Deposit Account:

Deposit Account Number	50-1059
Deposit Account Name	McNees Wallace & Nurick LLC

## The Commissioner is authorized to: (check all that apply)

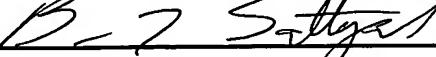
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- Credit any overpayments
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- Charge any additional fee(s) during the pendency of this application
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- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051	65	Surcharge - late filing fee or oath	
		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053	130	Non-English specification	
		1812	2,520	1812	2,520	For filing a request for reexamination	
		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
		1251	110	2251	55	Extension for reply within first month	
		1252	410	2252	205	Extension for reply within second month	
		1253	930	2253	465	Extension for reply within third month	
		1254	1,450	2254	725	Extension for reply within fourth month	
		1255	1,970	2255	985	Extension for reply within fifth month	
		1401	320	2401	160	Notice of Appeal	
		1402	320	2402	160	Filing a brief in support of an appeal	
		1403	280	2403	140	Request for oral hearing	
		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
		1452	110	2452	55	Petition to revive – unavoidable	
		1453	1,300	2453	650	Petition to revive – unintentional	
		1501	1,300	2501	650	Utility issue fee (or reissue)	
		1502	470	2502	235	Design issue fee	
		1503	630	2503	315	Plant issue fee	
		1460	130	1460	130	Petitions to the Commissioner	
		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
		1806	180	1806	180	Submission of Information Disclosure Stmt	
		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
		1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
		1801	750	2801	375	Request for Continued Examination (RCE)	
		1802	900	1802	900	Request for expedited examination of a design application	
		Other fee (specify) _____					
		*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)	(\$ 40)

\*\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)				
Name (Print/Type)	Brian T. Sattizahn	Registration No. Attorney/Agent)	46,401	Telephone	717-237-5258	
Signature			Date	February 27, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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## CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. 1.10

I hereby certify that the following documents are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. 1.10 on the date indicated below, Express Mail Label Number **ER 635944483 US**, dated February 27, 2004 and addressed to:

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1. Return Acknowledgment Postcard
2. Utility Patent Application Cover Sheet
3. Fee Transmittal Form
4. Patent Application (15 pages)
5. Drawings (3 sheets)
6. Declaration (1 copy of executed original, 1 pages)
7. Application Data Sheet
8. Power of Attorney (1 copy of executed original, 2 pages)
9. Assignment Recordation Form
10. Assignment (1 copy of executed original, 3 pages)
11. Information Disclosure Statement
12. PTO/SB/08
13. Copies of References Cited (7 Foreign and 1 Article)

By: (Type signature) Lindsay Vican

Written Signature: Lindsay Vican  
Date: February 27, 2004